

The invention relates to an optical component (1) consisting of a base unit (3) which supports a substrate (5) with a substrate region (7) that encompasses an optically functional surface, and a coating (9) which covers the substrate region (7) and at least part of the base unit (3). The substrate region (7) and a reference point (13) in the base unit (3) are oriented relative to each other in predefined fashion. The optical component (1) is produced by assembling the base unit (3) and the substrate (5) prior to the coating process, preferably by means of an assembly device (17). The assembled component is subsequently coated by employing a vacuum coating technique.